

ABSTRACT

A method and system for providing dynamic ARQ, on a per packet basis, in a wireless telecommunications access network. By taking into consideration both per packet QoS based on, for example, packet delay bound, and potential delays caused by retransmission, a dynamic NAK-based ARQ scheme is presented that dynamically adapts the retransmission parameters to the per packet QoS to provide improved radio link quality, particularly for non-delay sensitive services and applications. The ARQ parameters that are dynamically adjusted can include the number of retransmission rounds, and the number of retransmissions in each round.

09722338 11200
003277 8822260